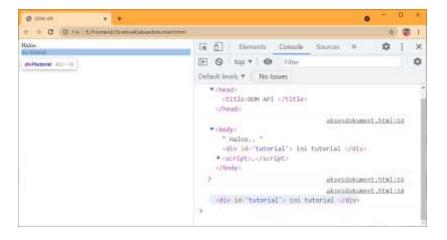
Praktikum 4 Penggunaan DOM API Pada HTML

DOM adalah *Document Object Model* yang artinya dokumen (HTML) yang dimodelkan dalam sebuah objek.

Objek ini dengan menggunakan fungsi dan atribut/data yang dapat kita manfaatkan dalam membuat program Javascript. Hal Inilah yang disebut API (Application Programming Interface)

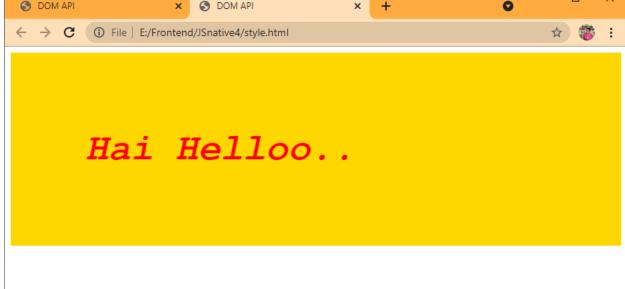
Contoh Mengakses Elemen tertentu dengan DOM

```
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                                                                                               X
<u>F</u>ile <u>E</u>dit <u>S</u>earch <u>V</u>iew E<u>n</u>coding <u>L</u>anguage Se<u>t</u>tings <u>To</u>ols <u>M</u>acro <u>R</u>un <u>P</u>lugins <u>W</u>indow ?
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        <!DOCTYPE html>
   3 |<head>
        <title>DOM API </title></head>
   4
   5 |<body>
             Haloo..
   6
   7
              <div id="tutorial">
   8
                   ini tutorial
   9
             </div>
  10 🖨
              <script>
                   let x = document.head;
  11
  12
                   console.log(x);
  13
                   let y = document.body;
  14
                   console.log(y);
  15
                   let z =document.title.length;
  16
                   console.log(z);
  17
                   var tutorial = document.getElementById('tutorial');
  18
                   console.log(tutorial);
  19
              </script>
  20
              </body>
                                                                                    Activate Windows
  21
       </html>
                                                                         Windows (CR LF) UTF-8 INS
Hyper Text Markup Language file length: 404 lines: 22
                                             Ln:21 Col:8 Pos:403
```



Menggunakan Style pada element

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        <!DOCTYPE html>
      ⊟<html>
   3 ||<head>
   4 | <title>DOM API </title></head>
   5 |<body>
             <div id="tulis"></div>
   6
   7
             <script type="text/javascript">
   8
                   var tutorial = document.getElementById("tulis");
   9
                   tulis.innerText = "Hai Helloo..";
  10
                   tulis.style.color = "red";
                   tulis.style.fontFamily = "Courier New";
  11
                   tulis.style.fontSize = "50px";
                   tulis.style.backgroundColor = "gold";
  13
  14
                   tulis.style.padding = "100px";
  15
                   tulis.style.fontWeight = "bold";
  16
                   tulis.style.fontStyle = "italic";
  17
             </script>
  18
       </body>
  19
      </html>
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Hyper Text Markup Language file | length: 538 | lines: 19
                                           Ln:18 Col:8 Pos:530
  O DOM API
                               O DOM API
 ← → C (i) File | E:/Frontend/JSnative4/style.html
```



Menggunakan element yang terdapat class

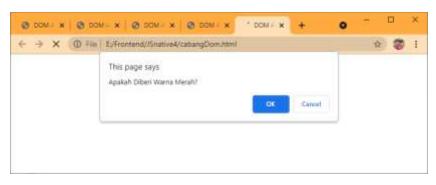
```
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      <!DOCTYPE html>
     ⊟<html>
   3 |<head>
           <title>DOM API</title>
  4
  5
     </head>
  6 |<body>
  7
           Footer
  8
           P1
   9
           P2
 10
           P3
           Footer
 11
 12
           <script>
 13
               var atas = document.getElementsByClassName("atas");
               atas[0].style.color = "red";
 14
               kepala.style.padding = "30px";
 15
 16
               var paragraf = document.getElementsByClassName("paragraf");
 17
               paragraf[0].style.color = "purple";
               paragraf[1].style.color = "green";
 19
               paragraf[2].style.color = "blue";
 20
           </script>
 21
      </body>
      </html>
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                                    Ln:17 Col:24 Pos:481
Hyper Text Markup Language file
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                                                                           O DOM API
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 ← → C ① File | E:/Frontend/JSnative4/class.html
    Footer
P1
P2
P3
Footer
```

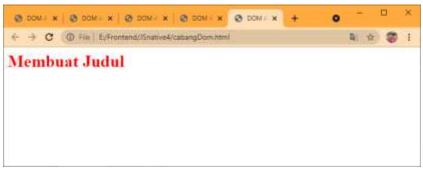
Menambah element yang belum ada dan menghapus element

```
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       <!DOCTYPE html>
      ⊟<html>
   3 |<head>
   4
            <title>DOM API </title>
   5
     </head>
   7
     |<h1 id="atas">Frontend<h1>
   8 🖨
            <script>
                 var judul = document.createElement("h1");
   9
  10
                 var subjudul = document.createElement("h2");
  11
                 var isi = document.createElement("p");
 12
                 judul.textContent = "Belajar Javascript";
 13
                 subjudul.textContent = "Belajar Javascript DOM";
                 isi.textContent = "Isi Artikel";
 14
 15
                 document.body.append(judul);
  16
                 document.body.append(isi);
                 var judulatas = document.getElementById('atas');
  17
                 judulatas.remove();
  19
                 console.log(judulatas);
 20
            </script>
  21
       </body>
       </html>
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Hyper Text Markup Language file
                  length: 603 lines: 22
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             X O DOM API
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Belajar Javascript
Isi Artikel
```

Contoh Menggunakan DOM dalam percabangan

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                                                                                              X
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      □<head>
             <title>DOM API </title>
   3
      </head>
   4
      5
             <script>
             var konfirmasi = confirm("Apakah Anda Akan Membuat Judul?");
   6
   7
                   if(konfirmasi)
   8
   9
                         var judul = document.createElement("h1");
  10
                         judul.textContent = "Membuat Judul";
  11
                         var konfirmasi2 = confirm("Apakah Diberi Warna
                        Merah?");
  12
                              if(konfirmasi2)
 13
                              {judul.style.color = "red";}
 14
                         document.body.append(judul);
 15
                         }else
  16
 17
                         var isi = document.createElement("p");
 18
                         isi.textContent = "Membuat Isi";
 19
                         document.body.append(isi);
 20
 21
             </script>
  22
        </body>
                                                                                    Go to Settings to activat
        </html>
                                            Ln:10 Col:22 Pos:214
Hyper Text Markup Language file
                    length: 556 lines: 23
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      □<head>
   2
            <title>DOM API </title>
   3
       </head>
   4
     5
              <script>
   6
             var paragraf = document.getElementById('paragraf');
             var warna = ["blue", "red"];
                         = ["h1","h2"];
   8
             var tag
   9
             var font = ["Courier New", "Arial"]
  10
             for(var start = 1; start <= 5; start++) {</pre>
  11
                  var isi = document.createElement(tag[Math.floor(
                  Math.random() * 2)]);
  12
                  isi.textContent = "Say Hello..";
  13
                  isi.style.fontFamily = font[Math.floor(Math.random() * 2
                  isi.style.color=warna[Math.floor(Math.random() * 2)];
  14
  15
                  document.body.append(isi);
  16
                  }
  17
             </script>
  18
       </body>
  19
        </html>
Hyper Text Markup Language file length: 562 lines: 19
                                        Ln:10 Col:32 Pos:248
                                                                   Windows (CR LF)
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```

